

Converting Colors

CIELCh(36, 13.149, 289.212)

Have a look what the booklet for
CIELCh(36, 13.149, 289.212)
contains.

CIELCh(36, 13.069, 288.933)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 13.069, 288.933)

Conversions

Conversions Part 1

Format	Color
Hex	515368
RGB	81, 83, 104
RGB Percent	32%, 33%, 41%
CMY	0.6810, 0.6732, 0.5908
CMYK	0.22, 0.20, 0.00, 0.59
HSL	235°, 12%, 36%
HSV	235°, 22%, 41%
XYZ	9.0572, 9.0082, 14.4507
YIQ	84.7960, -7.9330, 6.1070

Conversions

Conversions Part 2

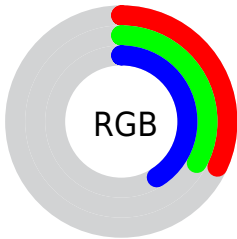
Format	Color
R_{YB}	81, 83, 104
Decimal	5329768
CIE Lab	36.00, 4.24, -12.36
CIE LCh	36, 13.069, 288.933
Yxy	9.0082, 0.2785, 0.2770
Android (android.graphics.Color)	4283519848 (0xFF515368)
YUV	84.7960, 9.4676, -3.3291
Hunter-Lab	30.0136, 1.3420, -7.5370

Details

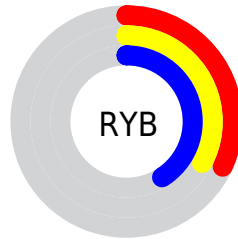
The CIELCh color $[36, 13.069, 288.933]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[43, 12.570, 104.272]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 13.190, 290.152]$, and $[16, 13.355, 290.221]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 19.338, 290.364]$, and if you desaturate by 10%, it is $[40, 7.021, 287.702]$.

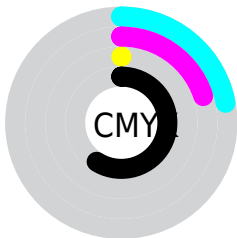
Distribution



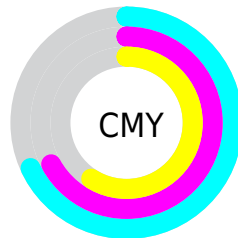
- Red (32%)
- Green (33%)
- Blue (41%)



- Red (32%)
- Yellow (33%)
- Blue (41%)



- Cyan (22%)
- Magenta (20%)
- Yellow (0%)
- Black (59%)





- Cyan (68%)
- Magenta (67%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 13.069, 288.933 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 36, 13.069, 288.933 by changing the saturation by 10% instead.


 36, 13.069,
288.933


 36, 13.069,
288.933

 100, 13.069,
288.933


 26, 13.069,
288.933

 56, 13.069,
288.933


 16, 13.069,
288.933


 66, 13.069,
288.933

 6, 13.069, 288.933

 76, 13.069,
288.933

 0, 13.069, 288.933

 86, 13.069,
288.933

 96, 13.069,
288.933

■ 36, 13.069,
288.933

■ 36, 13.069,
288.933

■ 32, 19.338,
290.364

■ 40, 7.021, 287.702

■ 29, 25.846,
292.025

■ 43, 1.181, 286.685

■ 47, 4.468, 105.704

■ 25, 32.603,
293.930

■ 51, 9.939, 104.920

■ 21, 39.591,
296.072

■ 54, 15.242,
104.235

■ 18, 46.723,
298.395

■ 58, 20.388,
103.635

■ 15, 53.763,
300.771

■ 61, 25.385,
103.109

■ 12, 60.223,
302.979

■ 65, 30.241,
102.645

■ 11, 64.576,

■ 68, 34.964,

304.271

102.234

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36, 13.069, 288.933



43, 12.570, 104.272

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36, 13.069, 288.933



36, 13.069, 338.933



36, 13.069, 108.933



36, 13.069, 158.933

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36, 13.068, 288.931



53, 5.004, 287.173



42, 9.185, 189.580



27, 3.279, 287.209



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36, 13.068, 288.931



44, 19.211, 289.573



36, 14.818, 306.616



19, 3.193, 287.353



12, 69.564, 304.473



32, 124.722, 305.415

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37, 10.246, 14.087



46, 15.150, 14.610



43, 14.315, 124.465



19, 2.456, 12.813



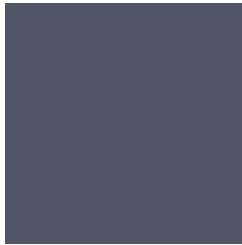
22, 53.750, 33.841



51, 96.948, 37.191

Previews

White Background



This preview shows how the CIELCh color 36, 13.069, 288.933 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 13.069, 288.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

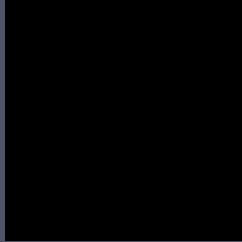
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 13.069, 288.933

Background



This preview shows how black text looks on a background with the CIELCh color 36, 13.069, 288.933.

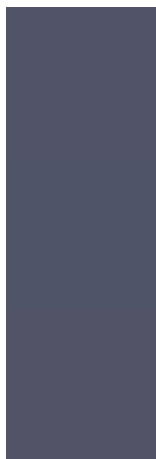


This preview shows how white text looks on a background with the CIELCh color 36, 13.069, 288.933.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36, 13.069, 288.933

Protanopia

36, 13.093, 285.592

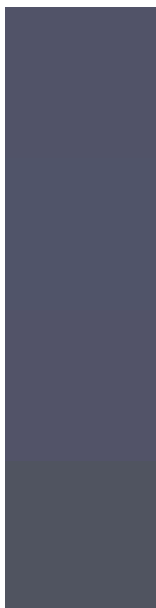
Deuteranopia

36, 13.059, 292.300



Tritanopia
36, 4.936, 261.294

Trichromacy



Original Color
36, 13.069, 288.933

Protanomaly
36, 13.093, 285.592

Deuteranomaly
36, 13.059, 290.611

Tritanomaly
36, 7.595, 279.261

Monochromacy



Original Color
36, 13.069, 288.933

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 4.973, 291.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 13.069, 288.933 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(81, 83, 104)` looks like.

```
.text, #text, p{  
    color:rgb(81, 83, 104)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(81, 83, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 83, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 13.069, 288.933 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(81, 83, 104) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(81, 83, 104) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(81, 83, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 83, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 83, 104);  
box-shadow:4px 4px 4px 4px rgb(81, 83,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 13.069, 288.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 83, 104) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(81, 83,  
104) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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